

CLAIMS

1. Hair styling apparatus comprising a pair of pivotally connected handles and a pair of detachable styling members which are connected to the un-pivoted ends of said handles, each said styling member comprising a main housing, a styling roller, built-in heating means and an electrical adaptor, said styling roller being rotatably supported on said main housing and being rotatable about a longitudinal axis which is substantially orthogonal to the pivotal axis joining said handles, said electrical adaptor and said styling roller including co-operative rotary electrical interfacing means so that operating power for said heating means of said styling member can be supplied from said electrical adaptor to said styling member via said rotary electrical interfacing means, wherein said styling roller being rotatable relative to said handles.
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2. Hair styling apparatus according to Claim 1, wherein said pair of detachable styling members comprising cooperative styling rollers with styling surfaces which are rotate relative to each other for continuous hair styling.
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3. Hair styling apparatus according to Claim 2, wherein each said styling roller comprising a salient styling surface which is rotatable about a longitudinal axis, said longitudinal axis being substantially orthogonal to the pivotal axis joining said handles, said handles being pivotally movable between a hair clamping position at which position said styling members being in compressive contact and a releasing position at which position said styling members being separated, the salient styling surfaces of said styling rollers being complementary so that, when said handles being held together in said
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hair clamping position during hair styling application, the salient surfaces of said styling rollers being in complementary engagement such that hair is clamped between said styling rollers and can be styled by said complementary salient surfaces of said styling rollers when said styling rollers are moved along said hair.

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4. Hair styling apparatus according to Claim 2, wherein said styling roller comprising a substantially cylindrical barrel with a hair styling surface on the outside of said barrel for cooperative hair styling by the pair of hair styling roller, said styling surface being substantially symmetrical about said longitudinal axis about which said styling roller being freely rotatable.

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5. Hair styling apparatus according to Claim 1, wherein said electrical adaptor comprising rotary-type electrical contacts for interconnection between said heating means and the power supply.

6. Hair styling apparatus according to Claim 1, wherein said electrical adaptor comprising a bayonet-type connector with a pair of axially extending rigid electrodes, said handle comprising a receptacle at its un-pivoted end for receiving said bayonet-type connector, said electrical adaptor further comprising part of a rotary-type connector on the side away from said bayonet-type connector.

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20 7. Hair styling apparatus according to Claim 6, wherein said rotary-type connector comprises a bush-and-bracket arrangement, said bracket being disposed on said electrical adaptor and said bush being disposed on said styling roller.

8. Hair styling attachment comprising a main housing, a styling roller, built-in heating means and an electrical adaptor, said styling roller being elongated and rotatably supported at its longitudinal ends on said main housing, said styling member being rotatable about its longitudinal axis, said electrical adaptor comprises an electrical connector and co-operative rotary electrical interfacing means so that operating power for said heating means can be supplied from said electrical connector via said rotary electrical interfacing means, wherein said electrical connector being adapted for making external electrical connection.

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10 9. Hair styling attachment according to Claim 8, wherein said electrical adaptor comprising a bayonet-type connector with a pair of axially extending rigid electrodes, said rigid electrodes being adapted for making an external bayonet-type connection, said electrical adaptor further comprising part of a rotary-type connector on the side away from said bayonet-type connector.

15 10. Hair styling attachment according to Claim 9, wherein said rotary-type connector comprises a bush-and-bracket arrangement, said bracket being disposed on said electrical adaptor and said bush being disposed on said styling roller.

20 11. Hair styling attachment according to Claim 8, wherein said styling roller comprising a hollow barrel with a hair styling surface on the outside of said barrel for cooperative hair styling with a counterpart hair styling roller, said hair styling surface being substantially symmetrical about said longitudinal axis about which said styling roller being freely rotatable, said plastic main housing covering the longitudinal ends and a substantial circumferential

portion of said styling roller, the un-covered surface of the styling roller being for hair styling, said styling roller being supported by said main housing in a cradle-like manner.

12. Hair styling attachment according to Claim 8, wherein a bayonet-type electrical connector protrudes from said plastic main housing for making external electrical connection, said bayonet-type electrical connector being adapted for connection axially along said longitudinal axis of said styling roller.